

Title (en)
CONTROLLED PERSPECTIVE GUIDANCE METHOD

Title (de)
VERFAHREN FÜR GESTEUERTE PERSPEKTIVENFÜHRUNG

Title (fr)
PROCÉDÉ DE GUIDAGE À PERSPECTIVE CONTRÔLÉE

Publication
EP 3023055 A1 20160525 (EN)

Application
EP 15185151 A 20090211

Priority
• US 2809808 P 20080212
• EP 13168297 A 20090211
• EP 09709594 A 20090211

Abstract (en)
A method of displaying a virtual image of a probe being navigated through a branched structure of a patient is disclosed. The method comprises generating a dynamic virtual image of a probe moving through a branched structure of a patient from a viewpoint. The viewpoint is fixed relative to a branch of the branched structure that corresponds to a first branch containing a distal portion of the branched structure. The method preferably further comprises displaying a position and orientation of a distal tip of the probe representative of an actual position and orientation of the probe in the branched structure. The method may further comprise updating the dynamic virtual image such that the viewpoint is fixed relative to a second branch of the branched structure when the distal tip of the probe passes a predetermined waypoint, such as comprising an entrance to the second branch from the first branch or being adjacent a first landmark.

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Citation (applicant)
US 7233820 B2 20070619 - GILBOA PINHAS [IL]

Citation (search report)
• [XA] WO 2006121974 A2 20061116 - STEREOTAXIS INC [US], et al
• [A] EP 1391181 A1 20040225 - SURGICAL NAVIGATION TECH [US]
• [A] US 6346940 B1 20020212 - FUKUNAGA TOMOHISA [JP]
• [A] US 2002049375 A1 20020425 - STROMMER GERA M [IL], et al
• [A] EP 1466552 A1 20041013 - OLYMPUS CORP [JP]

Designated contracting state (EPC)
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DOCDB simple family (publication)
US 10388066 B2 20190820; **US 2009209817 A1 20090820**; EP 2247236 A2 20101110; EP 2247236 A4 20120808; EP 2247236 B1 20140730; EP 2633810 A1 20130904; EP 2633810 B1 20170830; EP 2633811 A1 20130904; EP 2633811 B1 20150916; EP 3023055 A1 20160525; EP 3023055 B1 20171213; ES 2511033 T3 20141022; US 11315323 B2 20220426; US 2019362552 A1 20191128; WO 2009101504 A2 20090820; WO 2009101504 A3 20091223

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US 36946609 A 20090211; EP 09709594 A 20090211; EP 13168288 A 20090211; EP 13168297 A 20090211; EP 15185151 A 20090211; ES 09709594 T 20090211; IB 2009000238 W 20090211; US 201916538299 A 20190812